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MCDERMOTT, WILL & EMERY

F A C S I M I L E

FROM:

Sender: Lawrence T. Cullen Direct Phone: 202-756-8379
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Secretary: Jeannette Gilmore Direct Phone: 202-756-8086
Client/Matter/Tkpr: 43890-401-4715 Date: September 16, 2002 Time Sent: _____
Number of pages including this page: 13

TO:

Name: Examiner Leonard R. Leo Facsimile No. 703-308-7764
Company: U.S. Patent and Trademark Office Contact No. 703-308-2611

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GROUP 3700

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Docket No.: 43890-401

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Kaoru SATO, et al.

Serial No.: 09/493,677

Group Art Unit: 3743

Filed: January 28, 2000

Examiner: Leonard R. Leo

For: HEAT SINK, METHOD OF MANUFACTURING THE SAME AND COOLING APPARATUS USING THE SAME

THE COMMISSIONER FOR PATENTS AND TRADEMARKS
Washington, DC 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

☐
☐
☐

No additional fee is required.

Applicant is entitled to small entity status under 37 CFR 1.27

Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	26	22	4	\$18.00 =	\$72.00
Independent Claims	7	4	3	\$84.00 =	\$252.00
Multiple claims newly presented					\$0.00
Fee for extension of time					\$0.00
Total of Above Calculations					\$324.00

- ☒ Please charge my Deposit Account No. 500417 in the amount of \$324.00. An additional copy of this transmittal sheet is submitted herewith.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 500417, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

Lawrence T. Cullen
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PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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For: HEAT SINK, METHOD OF MANUFACTURING THE SAME AND COOLING
APPARATUS USING THE SAME**SUPPLEMENTAL AMENDMENT**Commissioner for Patents
Washington, DC 20231

Sir:

"Supplemental to an amendment filed on August 27, 2002, please amend the above
application as follows:"

IN THE CLAIMS

Please amend claim 15 and add new claims 30-33 as follows:

15. (Four Times Amended) A cooling apparatus comprising:
a heatsink comprising:

a) a column having a heat receiving face, wherein a cross section of said column
has a shape whose sectional width decreases as it extends away from said heat receiving face;
and